

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 58708 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 13 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

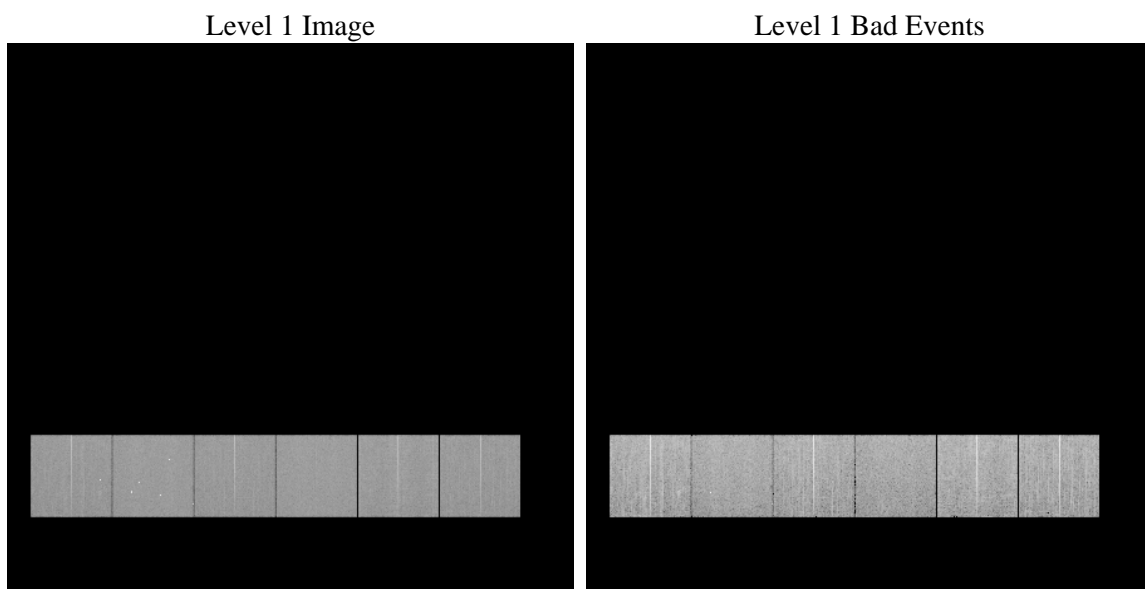
1 Front

seq_num	 	Sequence number
obs_id	58708	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	13.025016764863	Nominal RA [deg]
dec_nom	9.9814692685216	Nominal Dec [deg]
roll_nom	286.08485127274	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8254.5693331957	Sum of GTIs [s]
livetime	8150.0450059938	Livetime [s]
ontime4	8251.2052229047	Sum of GTIs [s]
ontime5	8254.5282931924	Sum of GTIs [s]
ontime6	8254.4872531891	Sum of GTIs [s]
ontime7	8254.5693331957	Sum of GTIs [s]
ontime8	8254.4051731825	Sum of GTIs [s]
ontime9	8254.610373199	Sum of GTIs [s]
l2events	848500	Number of level 2 events

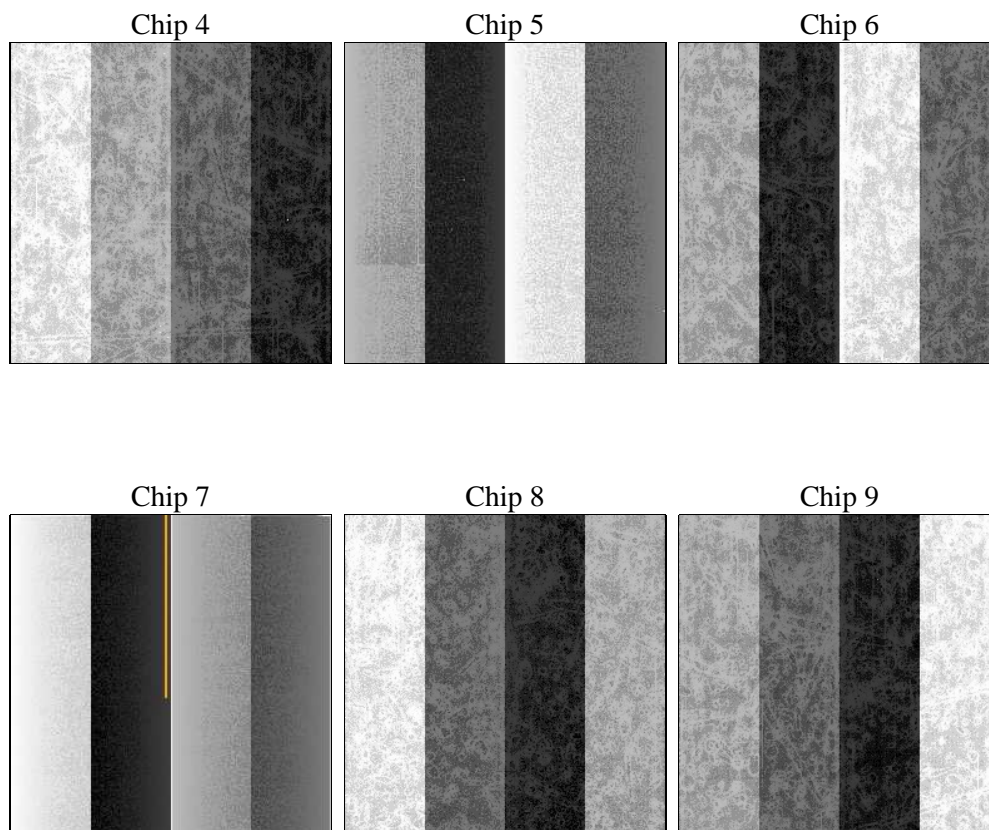
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	8254.5693331957	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	8251.2052229047	Sum of GTIs [s]
date	2012-04-13T02:56:20	Date and time of file creation	ontime5	8254.5282931924	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8254.4872531891	Sum of GTIs [s]
			ontime7	8254.5693331957	Sum of GTIs [s]
			ontime8	8254.4051731825	Sum of GTIs [s]
			ontime9	8254.610373199	Sum of GTIs [s]
			l1events	1360883	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	216415	234085	219473	236260	236915	217735	grade 0 events	78975	32441	77968	37856	81169	76983
rejected events	80295	68934	74713	63600	82144	77180		36%	13%	35%	16%	34%	35%
rejected %	37%	29%	34%	26%	34%	35%	grade 1 events	729	257	481	180	496	520
								0%	0%	0%	0%	0%	0%
							grade 2 events	21387	59011	25113	37695	27838	23966
								9%	25%	11%	15%	11%	11%
							grade 3 events	9367	8654	9190	16784	10547	9123
								4%	3%	4%	7%	4%	4%
							grade 4 events	9202	8486	9252	16690	10685	9142
								4%	3%	4%	7%	4%	4%
							grade 5 events	4086	9781	4279	10748	5474	4815
								1%	4%	1%	4%	2%	2%
							grade 6 events	17530	56975	23596	64053	24875	21666
								8%	24%	10%	27%	10%	9%
							grade 7 events	75139	58480	69594	52254	75831	71520
								34%	24%	31%	22%	32%	32%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	13.0250167648629
[deg] Pointing Dec	0	9.981469268521611
[deg] Pointing Roll	0.0	286.084851272744
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	279438468.88957	279438467.86457
Observation start date	2006-11-09T05:47:49	2006-11-09T05:47:47
[s] Observation end time (MET)	279462501.040705	279462500.01571
Observation end date	2006-11-09T12:28:21	2006-11-09T12:28:20
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2545693331957

A.2 Comments